

# TRIDIB ROY CHOWDHURY

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## EDUCATION

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### Academy of Technology

*Bachelor of Technology in Computer Science and Engineering*

SGPA: 7.8

West Bengal India

2023-Present

## FRONTEND

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**Frontend:** HTML, CSS, Tailwind, JavaScript, TypeScript, React, Next.js

**Backend:** Express.js, Java, Flask, FastAPI, REST APIs, MongoDB, PostgreSQL

**Machine Learning & Data Science:** Python, NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, MLflow, BentoML

**Tools & Platforms:** Git, GitHub, Vercel, Docker, VS Code

## PROJECTS

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### KickIts – Full-stack Sports Event Platform

- Built a platform for users to **create, join, and manage local sports events**.
- Features include **real-time chat, notifications, performance analytics, and reviews**.
- Tech Stack: HTML, CSS, Express, MongoDB, TailwindCSS.

<https://github.com/Tridib2510/KickIts>

### Network Security System

- Developed an end-to-end network security monitoring system with **threat detection and reporting**.
- Implemented practical security measures to safeguard networks.
- Tech Stack: Python, FastAPI, Scikit-learn.

<https://github.com/Tridib2510/networksecurity>

### AI Therapist

- Built an AI chatbot for **mental health assistance**, capable of understanding and responding to user queries.
- Integrated machine learning models for personalized recommendations.
- Tech Stack: Python, NLP, libraries, Flask.

<https://github.com/Tridib2510/AI-based-Therapist>

### Forest Fire Prediction

- Developed a predictive model for **forest fire risks using environmental data**.
- Applied data preprocessing, visualization, and ML algorithms for accurate prediction.
- Tech Stack: Python, Pandas, Scikit-learn, Matplotlib, Seaborn

<https://github.com/Tridib2510/forest-fires>

## CERTIFICATIONS

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**Java :** <https://www.hackerrank.com/certificates/464dceb0634c>

**Problem Solving :** <https://www.hackerrank.com/certificates/2ee24da5c887>

**Python:** <https://www.hackerrank.com/certificates/61117035156d>

## CAMPUS & COMMUNITY INVOLVEMENT

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**Member of Student Chapter CSE in Academy of Technology**

August 2024 – Present

<https://portfolio-livid-pi-l2wuho7vgj.vercel.app/>

